

**DETAILED ACTION**

***Claim Rejections - 35 USC § 101***

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 1-15, 17-23, 25, 33-37,39-45, 47-51 and 53-55 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1-15, 17-23, 25, 33-37,39-45, 47-51 and 53-55 direct to non functional data without reciting by any means, circuit or positive steps to process, recording and or reproducing the data . Further , it is noted that the claims do not specify any kind of non- transit medium on which the data are recorded or reproduced to perform a certain function . Since the recitation in the body of claims are mere data or broadcast medium , the data can be considered as a signal, carrier signal or piece of paper of a figure or drawings . See MPEP 2100.

***Drawings***

3. A replacement sheet for corrected figure 11 is required.

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Takakuwa et al and Nishizawa teach recording TS.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUY T. NGUYEN whose telephone number is (571)272-7378. The examiner can normally be reached on 8:30AM -6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Q. Tran can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HUY T NGUYEN/  
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